

PAT-NO: JP360052533A
DOCUMENT-IDENTIFIER: JP 60052533 A
TITLE: PRELIMINARY TREATMENT OF SINTERED RAW MATERIAL
PUBN-DATE: March 25, 1985

INVENTOR-INFORMATION:

NAME
KOMATSU, OSAMU
SHIOBARA, KATSUAKI
SHIMIZU, MASAYASU
KAWADA, HITOSHI

ASSIGNEE-INFORMATION:

NAME
NIPPON KOKAN KK <NKK>

COUNTRY
N/A

APPL-NO: JP58158062
APPL-DATE: August 31, 1983

INT-CL (IPC): C22B001/16

US-CL-CURRENT: 75/765

ABSTRACT:

PURPOSE: To reduce moisture over the entire part of a raw material and to reduce the fuel consumption in sintering by mixing iron ore powder, limestone powder, coke powder, etc. under addition of water by a primary mixer then adding return ore to the mixture and granulating the mixture by a secondary mixer.

CONSTITUTION: A prescribed amt. of iron ore powder, limestone powder, coke powder, etc. are fed out of a storage tank 1 and are supplied in a primary mixer 2 to which a prescribed amt. of water is added from a nozzle 3

and the powders are mixed. The return ore from screens 18, 18' is added to such mixture prior to supply of said mixture to a secondary mixer 4. The mixture is granulated by the mixer 4 and is fed to a sintering machine. Since the return ore contains virtually no moisture, the moisture over the entire part of the raw material is reduced and the latent heat of vaporization of the moisture by sintering is reduced, by which the sintered ore is economically produced.

COPYRIGHT: (C)1985,JPO&Japio